3G Remote Camera
(WCDMA)

■Thank you for purchasing the 3G Remote Camera. The user manual illustrates how to operate this product. So please read the user manual carefully before using it.
With this high-tech wireless equipment, you can detect anywhere at anytime by dialing video calls with 3G mobile phone. The 3G remote camera can be widely used in house, school, shop, moving cars, trains or take care of elders and children as long as WCDMA network is available.
Modern design 3G Remote camera matches excellent 300,000 pixel camera with night vision function. With the built-in high-light infrared LED, the camera can shoot clear film even in darkness.
The Remote camera is compatible with normal 315 MHz or 433 MHz wireless sensor in the market, such as wireless infrared motion detector, door sensor, smoke detector etc, and all of them are wireless, easy to use. You can also select any kind of sensor mentioned to work with our product. You or your family or your guards can receive the alarm message when any sensor was triggered.
All services and functions needs to be supported by the network and USIM card. Detailed operation and product functions, please refer to this brochure.

FOR YOUR SAFETY

■The product complies with the relevant European standards about electromagnetic compatibility. However, please keep away from electronic equipment which is likely to interfere by the wireless signal, to avoid the signal interruption.

Switch off this product in any area marked "Explosive", "might explode", "closed wireless transceiver devices" etc.

Do not dispose the product in a fire; otherwise, it may cause the battery explosion.

Only use the power adaptor approved by the product manufacturer. The use of any other types may damage the product Keep the product and the accessories out of the reach of children.

DECLARATION

■We operate a policy of continuous development. We reserve the right to make changes and improvements to any of the products described in this document without prior notice.

For latest product information, we don't guarantee for the document veracity, reliability or any content except regulate in proper laws. Including no guarantee for product suitable market or suitable area promise.

Use only this product legally. Do not monitor other one's private places. We don't take any charge for the illegal use of this product.

Under no circumstances should be responsible for any loss of data or income or any special, incidental, consequential or indirect damages howsoever caused.

The contents of this document are provided "as is". Except as required by applicable law, no warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability or contents of this document. We reserve the right to revise this document or withdraw it at any time without prior notice.

MENU

FEATURES 4
PREPAREATIONS 5
BASIC USE 6
Setup the camera 6
Modify remote controllers and wireless security sensors 7
Alarm out 8
Alarm in 8
Add/Delete/Check users 8
Remote video surveillance 9
Voice Call 10
ADVANCED OPERATIONS 10
Modify Password 10
Video record 10
Getting a live picture by MMS 11
Check status 11
Night vision 12
Set time 12
Picture rotation 12
Reset the camera 12
Get help 13
File storage 13
Format SD 13
ALARM 14
Define alarm receivers 14
Delete alarm receivers 14
Arm/Disarm 14
Edit alarm message 15
PARAMETER 15
SMS order list 16

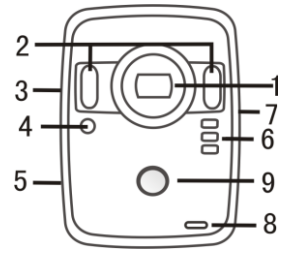
FEATURES

- This product uses USIM card, supporting WCDMA 3G network.
- Real-time video and audio surveillance: by your 3G phone, you can see area anytime and anywhere through 3G video call.
- 300,000 pixels CMOS Lens with infrared LED, support night vision.
- You can send SMS to control the camera remotely.
- Max 5 users and 2 alarm receivers supported
- Motion detection: by infrared motion sensor, it can detect environmental change and alarm
- Alarm message: it can send alarm messages to phones by SMS
- RF Sensor: Max 10 wireless RF alarm sensors can be added.
- Picture，video call can be saved in SD card
- Wireless remote control(W-1B): it can arm, disarm or send emergency alarm signal
- Easy installation: Wireless connection. The product can be installed at any place you wanted.
- Built-in Lithium battery: Rechargeable battery ensuring operation in case of external power failure
- Application: taking care of the elders and children, in house, school, monitoring shop, bus, ship, and train etc.

PREPAREATIONS

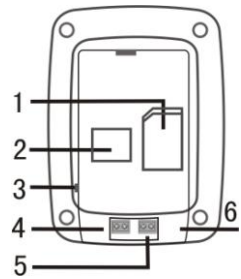
1、 You need to prepare a WCDMA USIM card for the camera which has 3G video call, voice call, SMS, income number displaying functions
2、 No PIN, pass code, etc for the USIM.
3、 A WCDMA phone.
4、 Please remember the user's passwords of the camera. And do not tell others.

Parts explanations



Front parts:

Digital lens (1)
Infrared lights (2)
Light sensor (4)
Power adapter socket (5)
Indicators (6)
Speaker (7)
Microphone (8)
Infrared motion sensor (9)



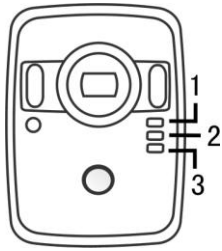
Back parts:

SIM card holder (1)
T-flash card holder (2)
Reset button (3)
Alarm in slot (4)
Alarm out slot (5)
Setup indicator (W-1B) (6)

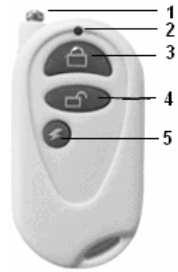
LED indicators Status Instruction :

	Action	Status
LED1	Continuously on	Power is OK
	Flash	Battery low

LED2	Continuously off	WCDMA network is OK
	Flash	Only GSM network
	Continuously on	No any network
LED3	Continuously on	Armed
	Continuously off	Disarmed



Remote control Instructions (W-1B)



1. Antenna
2.Indicator light
3. Arming key
4. Disarming key
5. Emergency key

Installation

1、 Insert USIM card and memory card if you need
2、 Insert Battery
3、 Connect USB AC adaptor

BASIC USE

Setup the camera

The camera can setup and search the network automatically after you insert USIM card and battery.
Normally, the camera will login the network within several seconds. You

can judge from the LED indicator.

Caution: The camera can not work without battery.

Modify remote controllers and wireless security sensors

At most 10 wireless surveillance sensors connection. When they alarm, the master's phone will receive message.
Wireless alert devices: 315 or 433 MHz
Indoor use only.

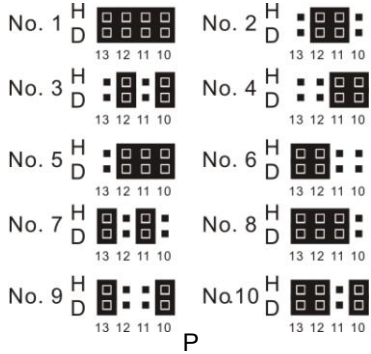
How to modify RF remote controllers and wireless surveillance sensors with the camera

Add
Send message:
Password#RF#study
When the camera receives the SMS, the learning LED will flash one time which means the camera is in Learning Status. Press any key of the controller or make the sensor alarm, if the learning LED flashes again, that means the learning is successfully.
Delete
Send message:
Password#RF#delete
When the camera receives the SMS, learning LED flashes 8 seconds means the deletion is successfully. And all remote controllers or wireless surveillance sensors are deleted and you need set then again
Distinguish different wireless surveillance sensors.
The camera max can add 10 wireless surveillance sensors. If you want to distinguish them, please following the steps below:
Step1: You can find slots on most wireless security devices

Step2: Choose different combinations of the slots, you will get different alarm SMS, such as ***Picture 2***

For example, if you choose No.1 for a wireless security device, when it alarms, you will receive alarm SMS like this: The No.1 wireless security device alarm!

Tips: Some wireless security devices maybe have different definition of slots , so the alarm SMS maybe not the exact one you want.



P

icture 2

Alarm out

You can connect alarming horn (Max 4V/100mA) with the camera with “alarm out” slot. When the security device is alarm, the alarming horn will active 60 seconds

Connect positive and negative with host and alarming horn.

Alarm in

You can connect wired alarm sensor’s signal out points with the “alarm in slot”.

Add/Delete/Check users

You can add at most 5 numbers as “user phone”.

“User phone” can call the camera by video call or audio call for surveillance.

“User phone” can also send some SMS orders

Add user:

password#user#user1#user2#user3

Example: 123456#user#13500000001#13500000002#13500000003 13500000001,13500000002 and 13500000003 will be users, and other phones can not call the camera.

Tips: Default user password is 123456

Notice:

- If there is no user, any phone can call the camera.
- The users are those which are in the latest SMS order.

Delete all users:

Send message: **password#user#0**

Check users:

Send message: **password#user#?**

The camera will send back a SMS with user list

Remote video surveillance

User phone can see live video remotely by your 3G WCDMA mobile phone.

Steps:

1) Set your 3G phone number as user
2) Call the camera by “video call” of your 3G phone
3) If the call is connected, you will see the live video of monitoring area.

Notice:

If your 3G phone number is not user, your call will be stopped

Image parameter setting and volume adjustment

You can also set image focus and volume during video call.

The operation definition of the correspondent key of your phone in video call as followed:

“1” Zoom in

“3” Zoom out
“#”volume up
“*” volume down
If there is SD card in the camera, the surveillance video will be saved in SD card.

Voice Call

You can hear the sound of monitoring area by phone voice call.
1) Set your 3G phone number as user
2) Call the camera by “voice call” of your 3G phone
3) If the call is connected, you will see the live video of monitoring area.

Notice:
If your 3G phone number is not user, your call will be stopped
During the call, press “#” for volume up and “*” for volume down

ADVANCED OPERATIONS

Modify Password

Modify the Password of the camera after initiation to ensure operation safety.
Send message:
Old password#password#new password
Example: 123456#password# 456789

Tips: The default User Password is 123456.
The password must be a 6-digit number

Video record

After receiving SMS command of recording video, the camera begins to

record video of 60 seconds and save it in SD memory card if there is.
Send message:
Password#video

Tips: If there is no SD card, the record will be failed.

Getting a live picture by MMS

If you want the camera to take a picture and send it to your phone by MMS, send the following SMS to the camera.
Caution :MMS service perhaps can not work correctly in some countries.
Send message:
Password#picture
Tips: If there is no SD card, the picture will not be saved.
The most former picture will be deleted if SD card is full.

Check status

If user wants to know the present setting and work status of camera, he/she just needs to send the following SMS to camera. It will reply a SMS including all settings (except the passwords.).

Send message:
Password#status
If your phone number is user, your can just send message:
Status

The status message includes information:
3G camera status :
15/35/01/01/2010
3G:X
2G:X
Alarm on/off
Alarm receivers:XXXXXXX XXXXXXX

SD: no or XXXXX KB
Battery: XX%
Motion: on/off

Night vision

Infrared light LEDs enable the camera to have a real time video or picture clearly in dark night. And the Camera can control the infrared light automatically.

Tips: If the camera is running only by battery, the infrared LEDs are always off

Set time

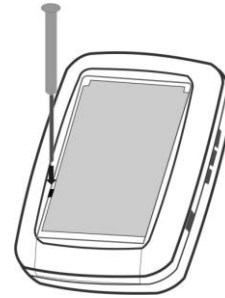
You can set system time by SMS
Send message:
password#time#hh/mm/dd/mm/yyyy
Example: 123456#time#09/36/25/08/2012
The system time will be set as 9:36 25th Aug 2012

Picture rotation

You can choose the picture and video rotate 180 degrees.
Send message:
password#cam rotate

Reset the camera

If the remote camera setting is wrong, or forget the password, the following methods will enable the remote camera recover to original settings and back to regular working



status.

Method 1 : Send SMS command to the camera.

Send message:

password#reset

Method 2: Press the “Reset button” for two seconds when the camera is working.

Get help

If you forget the SMS commands, user can send SMS to get the command list.

Send message:

password#help

If your phone number is user, your can just send message:

help

File storage

All video calls, MMS pictures, alarm pictures and short video records will be saved in micro SD card and named by time.

Picture: F:/picture

Video: F:/video

Video call: F:/video call

Format SD

You can delete all files in SD card

Send message:

password#FormatSD

ALARM

Define alarm receivers

Firstly , user need to pre-define at most 2 phone numbers to receive alarm SMS.

Send message:

Password#alarm number#XXXX#XXXXX

Example: 123456# alarm number#13500000005#13500000006#

13500000005 and 13500000006 will receive alarm messages.

Notice:

- The “alarm receivers” can be not same with “user number”, you can also set local police SMS center as alarm receiver.
- The receivers are those which are in the latest SMS order.
- Please make sure that the receivers can receive SMS.

Delete alarm receivers

Send message:

Password#alarm number#

Arm/Disarm

If the camera is armed, the camera will in “Defense Mode”. If the camera receives alarm signals from connected alarm sensors or “motion detection”, the camera will notice the pre-defined alarm receivers alarm SMS..

Notice: The alarm function will pause 120 seconds after alarm once.

To arm/defense:

Method 1: send following SMS to camera.

Password#alarm#on

Method 2: Press the “Arming” key on the remote control directly and you can see LED 3 indicating successful operation.

To disarm/Cancel defense:

Method 1: send following SMS to camera.

Password#alarm#off

Method 2: Press the “Disarming” key on the remote control directly and you can see LED 3 indicating successful operation.

Notice:

In disarm mode, emergency pad on RF controller is also effective.

Edit alarm message

You can edit content of alarm message.

Send message:

Password#alarm SMS#XXXXXXXXX

Example:

123456#alarm SMS# help! Room 205, Great building, 21st Street.

Notice:

New content of the message will replace the old one.

The SMS order must be in one piece of message.

PARAMETER

Network: : HSDPA/UMTS 850/1900/2100 MHz

EDGE/GPRS/GSM 850/900/1800/1900 MHz

Transfer rate : down and up link data rate up to 384 kbps

Camera：300,000 Pixels CMOS
Video call standard：3GPP QCIF 176×144
Infrared LED：6 LEDs
Mirco SD (TF) support：8GB Max
RF controller and sensor (W-1B)：315MHz or 433MHz
Adapter：OUT 5V 1A
Li-ion：1000mAh
Size：98mm×72mm×28mm
Net weight (with battery)：135g

SMS order list

Function	Content
Change password	password#password#new password
Define users	password#user#XXXX#XXXX#XXXX
Check users	password#User# ?
Delete users	password#User#0
Arm/disarm	password#alarm#on/off
RF study	password#RF#study
RF delete	password#RF#delete
Define alarm receivers	password#alarm number#XXXX#XXXX
Edit alarm message	password#alarm SMS#XXXXX
Set time	password#time#hh/mm/dd/mm/yyyy
Record	password#video
Get help	Help or password#help
Get picture	Picture or password#picture
Check status	Status or password#statue
Picture rotation	password#cam rotate
Format SD	password#formatSD
Reset	password#reset